UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue
Seattle, WA 98101

WA3019
18A
2/25/02

FEB 25 2002

Reply To
Attn Of: WCM-126

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Ms. RueAnn Thomas,
Environmental Programs Director
J.H. Baxter & Co.
85 North Baxter Road
Eugene, OR 97402

Re: Split Sampling Results for Drinking Water
J.H. Baxter & Co. Arlington Facility
§ 7003 Administrative Order on Consent (AOC)
Docket No.: RCRA-10-2001-0086
EPA ID No.: WAD 05382 3019

Dear Ms. Thomas:

Enclosed please find a copy of the analytical results from the United States Environmental Protection Agency's (EPA) split sampling effort conducted at residences surrounding the J.H. Baxter facility in Arlington.

The results indicate that no pentachlorophenol was detected, utilizing the analytical method 515.3, in any of the samples. For you reference, EPA's Quality Assurance Project Plan and Method 515.3 is also enclosed with this letter.

If you have any questions regarding this matter, please call me at (206) 553-0955.

Sincerely,

Kimberly A. Ogle

Kimberly Ogle
Project Manager

Enclosures

cc: Dean Yasuda, NWRO
Byung Maeng, NWRO
Jeanne Tran, NWRO

FILE COPY

Enclosed please find a copy of the analytical results from the United States Environmental Protection Agency's (EPA) split sampling effort conducted at residences surrounding the J.H. Baxter facility in Arlington.

The results indicate that no pentachlorophenol was detected, utilizing the analytical method 515.3, in any of the samples. For you reference, EPA's Quality Assurance Project Plan and Method 515.3 is also enclosed with this letter.

If you have any questions regarding this matter, please call me at (206) 553-0955.

Sincerely,

OFFICIAL FILE COPY

Kimberly Ogle
Project Manager

Enclosures

cc: Dean Yasuda, NWRO
Byung Maeng, NWRO
Jeanne Tran (check spelling), NWRO

bcc: Cheryl Williams, RCU
Jennifer MacDonald, ORC
Rene Fuentes, OEA
Bob Melton, OEA

CONCURRENCES					POLICY FILE	
Initials					Yes ☐	No ☐
Name:					If policy file please bcc to RMSPU Manager	
Date:						
RCRAInfo EVENT SNC IDENTIFICATION (Can it be entered in RCRAInfo?)	Yes ☐ Yes ☐ Yes ☐	No ☐ No ☐ No ☐				
SBREFA INFO VERIFICATION	Yes ☐	No ☐				
PEER REVIEW	Yes ☐	No ☐				
REGION 9 POLICY FILE	Yes ☐	No ☐				

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

February 12, 2002

MEMORANDUM

SUBJECT: Case Narrative for the Pentachlorophenol Results for J. H. Baxter Arlington Samples 02034000 - 02034021

FROM: Randy Cummings, Chemist
USEPA

REVIEWED BY: Steven Reimer, Chemist
USEPA

TO: Kim Ogle, Project Officer

The following is a case narrative of the Pentachlorophenol (PCP) analyses' results for water samples collected for the J. H. Baxter Arlington project. The samples were extracted and analyzed by the USEPA Region 10 Laboratory located in Manchester, Washington. USEPA Method 515.3 (SOP OR_C515A) was used for the extraction and analysis. The method was modified from the SOP in the following manner: 1) 40mL Volatile Organic Analysis (VOA) vials were used instead of the 60mL vials suggested, 2) 30mL sample size was used instead of the 40mL suggested (because of the sample container size), 3) 3mL of MTBE was used for the extraction instead of the 4mL suggested (to compensate for the sample volume difference), 4) the hydrolysis step was skipped (because ethers of PCP are not susceptible to hydrolysis), and 5) standards and surrogates were prepared in a manner proportional with the samples. An initial demonstration of capability study (IDC) was performed to ensure the modifications did not affect data quality. This report covers the samples listed above.

The project code for these samples is ESD-069A and the account number is 0203B10P90102E.

Data qualifications

The following comments refer to the laboratory performance in meeting the Quality Control specifications outlined in USEPA SW 846 and/or the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (10/99).

I. Holding Times: Acceptable

The water samples for herbicide analysis were extracted within 14 days of collection and analyzed within 14 days of extraction.

II. Initial Calibration: Acceptable

Initial calibrations were performed using a Model 6890 Agilent plus series gas chromatograph (GC-Minerva). RTX-CLP and RTX-CLP II 30m X 0.25 mm internal diameter columns were used. The columns were coupled to a pressure temperature- vaporization inlet system (PTV) and to dual micro electron capture detectors (μECDs).

Thirty microliter injections were used for the pesticide analysis. The procedural standard preparation technique was used to construct five to six calibration levels for the herbicides using an internal standard calibration curve. Calibrations were performed on 01/30/02. Linear least squares fit or average fit functions were applied with correlation coefficients of ≥ 0.99 or RSD ≤ 20%. Each calibration level was requantified with the result fit against expected values. A ≤ 20% relative percent difference (RPD) criterion was applied to each calibration level.

III. System Performance Check: Acceptable

Peak symmetry for 4-Nitrophenol was within normal parameters for the herbicide analysis.

IV. Calibration Checks: Acceptable

The calibration checks met the criteria for frequency of analysis and retention time (RT) windows. The percent difference (%D) amount criterion of ≤ 30% from the expected values was met for each analytical sequence. Internal standard peak height count deviations for the calibration checks were ≤ 30% of the calibration average.

V. Method Blanks: Acceptable

A pair of method blanks were prepared and analyzed with the sample extraction batch. No target compounds were determined above the reporting level.

VI. Surrogates Recovery: Acceptable

2,4-Dichlorophenylacetic acid (DCAA) was added to each sample as a surrogate. The average recovery for DCAA was 106% with a relative standard deviation (RSD) of 4.3%. These recovery and precision data were within the range of expectation. No qualifiers were applied based on surrogate recoveries.

VII. Fortified Blank Samples: Acceptable

The calibration standards and act as fortified Blanks. Four calibration blanks were prepared for a initial demonstration of capability (IDC)/method detection limit (MDL) study. Recoveries met the 70 - 130% recovery criteria for PCP. MDLs were determined to be below the reported quantification level (QL).

VIII. Matrix Spike Samples: Acceptable

A set of matrix spiked samples was prepared from samples 02034008 and 02034019. The spiking level was 0.8µg/L. PCP recoveries were within the range of expectation (70 - 130% recovery). Relative standard deviations for PCP of the duplicate pairs were within 30%.

VIII. Target Compound Identification: Acceptable

Detected target compounds were based on retention time comparisons against calibration standards. No target compounds were detected in the samples.

IX. Sample Analysis:

Internal standard peak height count deviations for the samples were ≤ 30% of the calibration average. Method Blank OBW2026C1 was inadvertently named OBW2025C1 and Method Blank OBW2026C2 was copied as OBW2025C1 in the sample analysis log. The log and data were corrected to reflect the correct sample names. The calibration was performed to output data directly in µg/L given a 30mL sample size extracted with 4mL of solvent. The spreadsheet used to perform the calculations is designed for data output of nanograms per micoliter. Therefore a correction factor was used in the dilution factor range to allow for the µg/L output and varying sample volumes from that of the standards'. The correction factor is 0.0300L/4.00ml = 0.0075L/mL.

X. Overall Assessment for the Case

The usefulness of the data is based on the criteria outlined in USEPA SW 846 and/or the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, 10/99. All requirements for data qualifiers from the preceding sections were accumulated. Each sample data summary sheet and each compound was checked for positive or negative results. From this, the overall need for data qualifiers for each analysis was determined. In cases where more than one of the preceding sections required data qualifiers, the most restrictive qualifier has been added to the data.

In general, all unqualified data can be used without restriction. The usefulness of qualified data should be treated according to the severity of the qualifier. Should questions arise regarding the qualification of data and its relation to the usefulness, the reader is encouraged to contact Randy Cummings at the Region 10 laboratory, phone number (360) 871-8707.

DATA QUALIFIERS

U	-	The analyte was not detected at or above the reported result.
J	-	The analyte was positively identified. The associated numerical result is an estimate.
EXP	-	The result is equal to the number before EXP times 10 to the power of the number after EXP. As an example 3EXP6 equals 3×10^6.
R	-	The data are unusable for all purposes.
N	-	There is evidence the analyte is present in this sample.
NJ	-	There is evidence that the analyte is present. The associated numerical result is an estimate.
UJ	-	The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantization limit of the analyte in this sample.
NAF	-	Not analyzed for.
NAR	-	No analytical result.
*	-	The analyte was present in the sample. (Visual aid to locate detected compounds on the report sheet.)

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/14/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034000
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	15B03 (b) (6) HOME		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.044	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	103	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/14/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034001
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	10Q06 (b) (6)		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.044	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	99	%Rec	

Manchester Environmental Laboratory

Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/14/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034002
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	10Q04 (b) (6)		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.045	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	102	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/14/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034003
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	10Q09 RESIDENT		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.044	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	106	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/14/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034004
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	10Q03 (b) (6)		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.047	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	103	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/14/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034005
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	10Q02 (b) (6)		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.047	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	104	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/14/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034006
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	10Q01 (b) (6)		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.045	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	105	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/14/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034007
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	10Q08 (b) (6)		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.045	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	106	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/14/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034008
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	15B04 (b) (6)		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.047	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	104	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034008
Account Code:	0203B10P90102E	**Type:**	Matrix Spike
Station Description:			

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 19719289	2,4-Dichlorophenyl acetic acid	115	%Rec	
	87865	Pentachlorophenol	109	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034008
Account Code:	0203B10P90102E	**Type:**	Matrix Spike Dupl
Station Description:			

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 19719289	2,4-Dichlorophenyl acetic acid	119	%Rec	
	87865	Pentachlorophenol	106	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/14/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034009
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	10Q07 (b) (6)		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.045	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	101	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/14/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034010
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	15F03 PACIFIC ROAD & BRIDGE		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.045	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	106	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/14/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034011
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	15F02 (b) (6)		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.047	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	105	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/14/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034012
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	15A01 ARLINGTON CEMETERY		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.047	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	110	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/14/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034013
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	15F01 (b) (6)		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.047	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	107	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/14/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034014
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	23D01 (b) (6)		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.047	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	103	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/14/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034015
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	22H02 (b) (6)		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.045	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	106	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/15/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034016
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	10Q05 (b) (6)		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.045	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	105	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/15/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034017
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	22J02 (b) (6)		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.045	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	102	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/15/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034018
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	22J07 RESIDENT		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.047	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	105	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/15/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034019
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	22L01 CITY OF ARLINGTON WELL		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.046	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	111	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034019
Account Code:	0203B10P90102E	**Type:**	Matrix Spike
Station Description:			

GC

Parameter : Herbicides
Method : 515.3 Determination of Chlorinated Acids in Water
Prep Method: 515.3

Analytes		Result	Units	Qlfr
19719289	2,4-Dichlorophenyl acetic acid	112	%Rec	
87865	Pentachlorophenol	100	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034019
Account Code:	0203B10P90102E	**Type:**	Matrix Spike Dupl
Station Description:			

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 19719289	2,4-Dichlorophenyl acetic acid	108	%Rec	
	87865	Pentachlorophenol	98	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/15/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034020
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	23D02 (b) (6)		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.045	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	112	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	1/15/02
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	02034021
Account Code:	0203B10P90102E	**Type:**	Reg sample
Station Description:	22J01 (b) (6)		

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.047	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	103	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	OBW2026C1
Account Code:	0203B10P90102E	**Type:**	Blank
Station Description:			

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.050	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	100	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-069A

Project Code:	ESD-069A	**Collected:**	
Project Name:	BAXTER ARLINGTON FACILITY, ARL	**Matrix:**	Liquid
Project Officer:	KIM OGLE	**Sample Number:**	OBW2026C2
Account Code:	0203B10P90102E	**Type:**	Blank
Station Description:			

			Result	Units	Qlfr
GC					
Parameter	: Herbicides				
Method	: 515.3	Determination of Chlorinated Acids in Water			
Prep Method	: 515.3				
Analytes	: 87865	Pentachlorophenol	0.050	ug/L	U
	19719289	2,4-Dichlorophenyl acetic acid	108	%Rec	